

Algebra 2

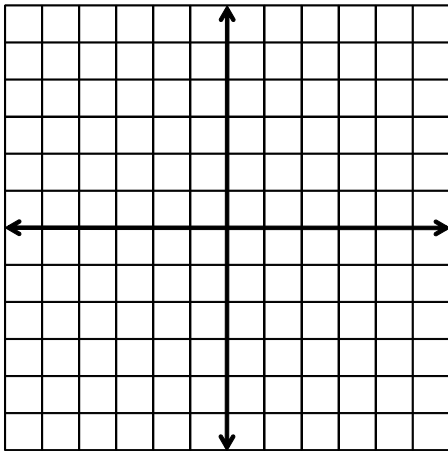
0-05 Graph Equations of Lines

The simplest way to graph

Make a _____

1. Choose a reasonable range of _____ usually including _____.
2. Substitute each x value into the _____ to find the corresponding _____.
3. _____ the points on a coordinate plane.
4. Draw the _____ through the points.

Graph $y = x^2 - 3$



Slope-intercept form

$$y = mx + b$$

- m is _____; b is _____

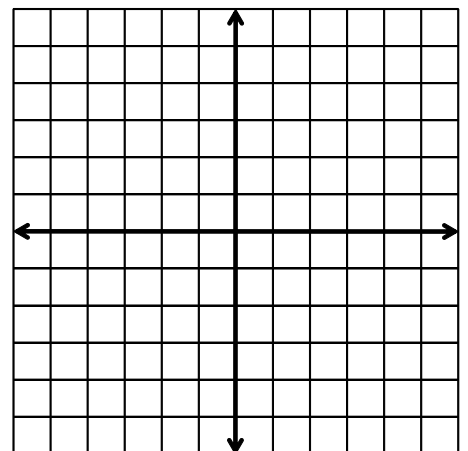
To graph

1. Solve equation for _____
2. Plot the _____
3. From there move up and over the _____ to find another _____ of points
4. Draw a _____ neatly through the points

Graph $y = -2x$

$$y = x - 3$$

$$f(x) = 2 - x$$



Standard Form

$$Ax + By = C$$

- A, B, and C are _____

To graph

- Find the _____ and _____ by letting the other variable _____
 - x -intercept:

 - y -intercept:

- Plot the _____ points
- Draw a _____ through the two points

Horizontal Lines

Vertical Lines

Graph $2x + 5y = 10$

$x = 1$

$y = -4$

